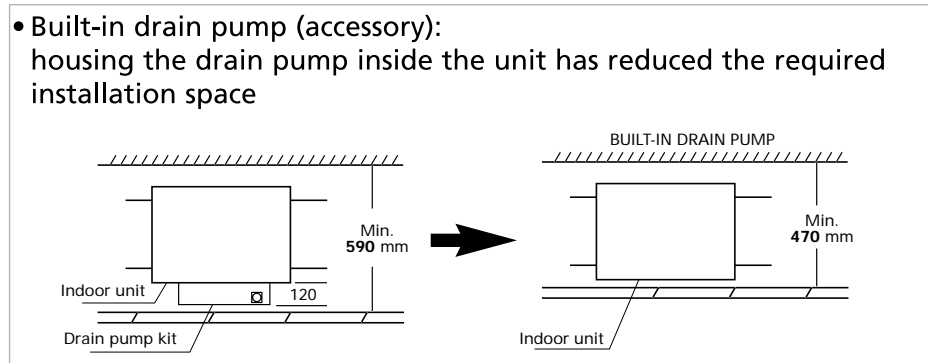




**F X M**

# CONCEALED CEILING UNIT (LARGE)

- Leaves maximum floor and wall space for furniture decoration and fittings
- Complete range of models (5 --> 31.5 kW)
- More than 150 Pa external static pressure allows extensive ductwork runs and flexible application: ideal for use in large areas
- External static pressure can be easily adjusted using a change-over switch inside the electrical box to meet the resistance in the duct system
- Drain-up height: 294 mm for class 40 to 125  
375 mm for class 200, 250



BRC1C517



BRC4C62/64



BRC2A51



BRC3A61

High static pressure allows flexible duct design



## FXM - LVE

			40	50	63	80	100	125	200	250
Nominal cooling capacity		kW	4.5	5.6	7.1	9.0	11.2	14.0	22.4	28.0
Nominal heating capacity		kW	5.0	6.3	8.0	10.0	12.5	16.0	25.0	31.5
Power input	Cooling	W	211		284	411		619	1,294	1,465
	Heating	W	211		284	411		619	1,294	1,465
Power supply	1 ~, 50Hz, 230V									
Dimensions	HxWxD	mm	390x720x690			390x1,110x690			470x1,380x1,100	
Weight		kg	44	45	45	62	63	65	137	
Casing	galvanised steel plate									
Sound pressure level - 220V	High	dB(A)	39	42	42	43	43	45	48	
	Low	dB(A)	35	38	38	39	39	42	45	
Sound power level		dB(A)	*	*	*	*	*	*	*	
Air flow rate	High	m <sup>3</sup> /h	840	1,170	1,170	1,740	1,740	2,160	3,480	4,320
	Low	m <sup>3</sup> /h	690	960	960	1,380	1,380	1,740	3,000	3,720
Air filter	cf. note 4									
Temperature control	microprocessor thermostat for cooling and heating									
Piping connections	Liquid	Flare	mm	Ø 6.4	Ø 9.5		Ø 9.5		Ø 12.7	Ø 12.7
	Gas	Flare	mm	Ø 12.7(flare)	Ø 15.9(flare)		Ø 19.1(flare)		Ø25.4(brazing)	Ø28.6(brazing)
	Drain		mm	VP25, external diameter 32, internal diameter 25					PS1B	
Sound absorbing thermal insulation	glass fiber									
Safety devices	PC board fuse, fan motor thermal protector									

- Notes:
- Nominal cooling capacities are based on:
    - indoor temperature: 27°CDB, 19°CWB
    - outdoor temperature: 35°CDB
    - equivalent refrigerant piping: 5m (horizontal)
  - Nominal heating capacities are based on:
    - indoor temperature: 20°CDB
    - outdoor temperature: 7°CDB, 6°CWB
    - equivalent refrigerant piping: 5m (horizontal)
  - Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat
  - The air filter is not a standard accessory, but please mount it in the duct system at the suction side. Select its colorimetric method (gravity method) 50% or more.
  - \*Data were not available at the time of publication

## ACCESSORIES

### FXM-LVE

			40	50	63	80	100	125	200	250		
Wired remote control	BRC1C517, BRC2A51, BRC3A61											
Infrared remote control	Cooling only		BRC4C64									
	Heat pump		BRC4C62									
Drain pump kit	KDU30K125VE											
High efficiency filter 65%			KAFJ302L71			KAFJ302L140			KAFJ372L280			
High efficiency filter 90%			KAFJ303L71			KAFJ303L140			KAFJ373L280			
Filter chamber			KDDJ30L71			KDDJ30L140			KDJ3705L280			
Replacement long life filter			KAFJ301L71			KAFJ301L140			KAFJ371L280			

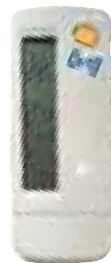


# FUYP

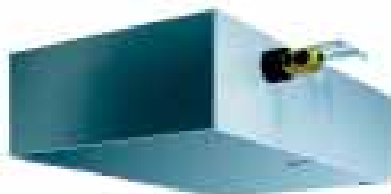
## 4-WAY BLOW CEILING SUSPENDED UNIT



BRC1C517



BRC7C529W/528W



BEV-KVE

- Group control with other VRV indoor units
- Cool/heat selection available
- To prevent cold draught at hot start, defrost and oil return in heating
- 5m maximum distance between FUYP unit and junction box
- Air can be discharged in any of four directions

- Possibility to shut one or two flaps for easy installation in corners



- Auto-swing mechanism ensures even room air and temperature distribution
- Air flow distribution for ceiling heights up to 3.5m

- Air can be discharged at 5 different angles between 0 and 60 degrees.



- Extremely quiet in operation both indoors and outdoors
- The air filter, drain pan and heat exchanger fin are mildew proof and anti-bacterial treated
- Drain-up pump with increased lift of 500mm

Ideal for installation in new or existing buildings



## FUYP - BV17

				71	100	125
Cooling capacity			kW	7.09	9.99	12.48
Heating capacity			kW	7.7	11.0	14.0
Power input	Cooling	W		180	289	289
	Heating	W		160	269	269
Power supply			1 ~, 50Hz, 230V			
Dimensions	HxWxD	mm		165x895x895	230x895x895	230x895x895
Weight			kg	25	31	31
Colour			white			
Sound pressure level	High	dB(A)		40	43	44
	Low	dB(A)		35	38	39
Sound power level	High	dB(A)		56	59	60
	Low	dB(A)		51	54	55
Air flow rate	High	m³/h		1,140	1,740	1,920
	Low	m³/h		840	1,260	1,380
Air filter			resin net with mold resistant			
Piping connections	Liquid	Flare	mm	9.5	9.5	9.5
	Gas	Flare	mm	15.9	19.1	19.1
	Drain	Flare	mm	external diameter 26, internal diameter 20		
Heat insulation			heat resistant foamed polyethylene, regular foamed polyethylene			
Safety devices			fan motor thermal protector			

Notes: • Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB • outdoor temperature: 35°CDB, 24°CWB  
 • Nominal heating capacities are based on: indoor temperature: 20°CDB, 15°CWB • outdoor temperature: 7°CDB, 6°CWB  
 • Capacities are net including a deduction for cooling (an addition for heating) for indoor fan motor heat

## ACCESSORIES

### FUYP - BV17

				71	100	125
Wired remote control					BRC1C517	
Infrared remote control	Cooling only				BRC529W	
	Heat pump				BRC528W	
Sealing member of air discharge outlet				KDBHJ49F80		KDBHJ49F140
Air discharge decoration panel				KDBTJ49F80		KDBTJ49F140
Vertical flap kit				KDGJ49F80		KDGJ49F140
Replacement long life filter					KAFJ495F140	
L-type connection piping kit				KHFJ49F80		KHFJ49F140

## JUNCTION BOX FOR CONNECTION TO VRV OUTDOOR UNIT

### BEV-KVE

				71	140
Power input	Cooling			169	259
	Heating			149	239
Power supply			VE		
Dimensions	HxWxD	mm		100x350x225	
Weight			3.0	3.5	
Casing			galvanised steel plate		
Sound absorbing thermal insulation			flame and heat resistant foamed polyethylene		
Unit connection			ø 9.5 / ø 15.9		ø 9.5 / ø 19.1
Header connection			ø 6.4 / ø 12.7		-

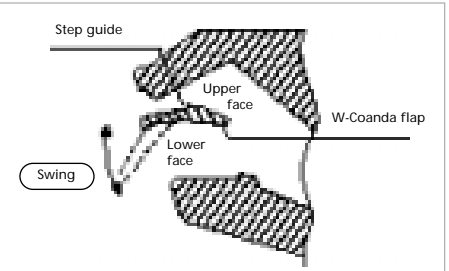


# F X H

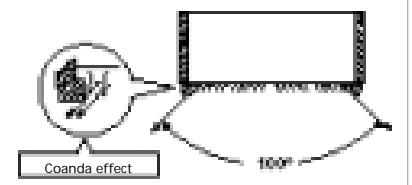
## CEILING SUSPENDED UNIT

- Quiet in operation: down to 31 dBA sound pressure level
- Leaves maximum floor and wall space for furniture and decoration
- Can be installed in both new and existing buildings

- Use of W-Coanda flap enhances horizontal and vertical air circulation characteristics



- Wider air discharge thanks to Coanda effect: up to 100 degrees



- Maximum drain-up height: 590 mm
- Long life filter fitted as standard
- Drain pump kit available as accessory
- Easy installation and maintenance



BRC1C517



BRC7E63W/E66

Slim unit with super silent and greater air flow



## FXH - LVE

				32	63	100
Nominal cooling capacity	kW			3.6	7.1	11.2
Nominal heating capacity	kW			4.0	8.0	12.5
Power input	Cooling	W		111	115	135
	Heating	W		111	115	135
Power supply				1 ~, 50Hz, 230V		
Dimensions	HxWxD	mm		195x960x680	195x1,160x680	195x1,400x680
Weight	kg			24	28	33
Colour				white (10Y9/0.5)		
Sound pressure level	High	dB(A)		36	39	45
	Low	dB(A)		31	34	37
Sound power level	dB(A)			*	*	*
Air flow rate	High	m <sup>3</sup> /h		720	1,050	1,500
	Low	m <sup>3</sup> /h		600	840	1,170
Air filter				resin net with mold resistant		
Temperature control				microprocessor thermostat for cooling and heating		
Piping connections	Liquid	Flare	mm	Ø 6.4	Ø 9.5	Ø 9.5
	Gas	Flare	mm	Ø 12.7	Ø 15.9	Ø 19.1
	Drain	mm		VP20 (external diameter 26, internal diameter 20)		
Sound absorbing thermal insulation				glass wool		
Safety devices				PC board fuse, fan motor thermal protector		

- Notes:
- Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB  
outdoor temperature: 35°CDB  
equivalent refrigerant piping: 5m (horizontal)
  - Nominal heating capacities are based on: indoor temperature: 20°CDB  
outdoor temperature: 7°CDB, 6°CWB  
equivalent refrigerant piping: 5m (horizontal)
  - Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat
  - \*Data were not available at the time of publication

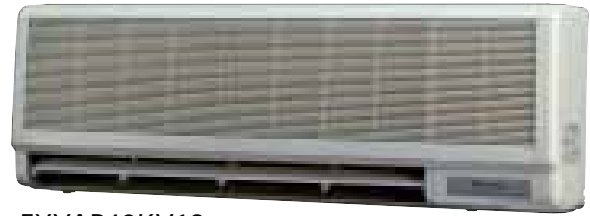
## ACCESSORIES

### FXH - LVE

				32	63	100
Wired remote control				BRC1C517		
Infrared remote control	Cooling only			BRC7E66		
	Heat pump			BRC7E63W		
Drain pump kit				KDU50B50VE	KDU50B71VE	KDU50B125VE
Replacement long life filter	Resin net			KAFJ501D56	KAFJ501D80	KAFJ501D112
L-type piping kit	For upward direction			KHFJ5F50	KHFJ5F80	KHFJ5F160



FXA-LVE



FXYAP40KV19

# FXA / FXYAP

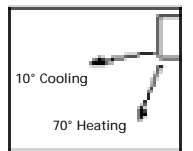
## WALL MOUNTED UNIT

- The LVE series features a new design and more compact casing
- Dramatic weight reduction of 48% compared to the previous series
- Auto-swing mechanism ensures efficient air distribution via louvers that close automatically when the unit is switched off
- Comfortable air flow: the wide air discharge outlet distributes a comfortable air flow throughout the entire room
- Both horizontal flaps and front panel can easily be removed and washed

- 5 different discharge angles can be programmed via the remote control

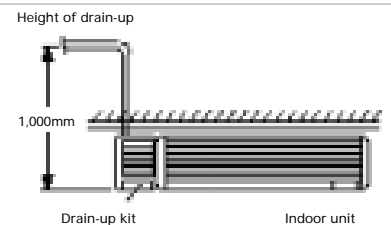


- Discharge angle automatically returns to its previous position on restart (initial setting 10 degrees for cooling and 70 degrees for heating)



- All maintenance operations can be carried out from the front of the unit

- Drain-up pump with 1,000mm lift available as accessory



BRC1C517



BRC7C511W/510W

Quiet operation with auto-swing comfort



## WALL MOUNTED UNIT

			FXA20LVE	FXA25LVE	FXA32LVE	FXYP40KV19	FXYP50KV19	FXYP63KV19
Nominal cooling capacity		kW	2.2	2.8	3.6	4.5	5.6	7.1
Nominal heating capacity		kW	2.5	3.2	4.0	5.0	6.3	8.0
Power input	Cooling	W	16	22	27	36	35	44
	Heating	W	24	27	32	36	35	44
Power supply	1 ~, 50Hz, 230V							
Dimensions	HxWxD	mm	290x795x230			360x1,050x200	360x1,250x200	
Weight		kg	11			21	24	
Colour	white (10Y9/0.5)							
Sound pressure level	High	dB(A)	35	36	37	41	43	45
	Low	dB(A)	29	29	29	34	38	41
Sound power level		dB(A)	*	*	*	*	*	*
Air flow rate	High	m <sup>3</sup> /h	450	480	540	660	780	900
	Low	m <sup>3</sup> /h	270	300	330	540	660	720
Air filter	resin net washable							
Temperature control	microprocessor thermostat for cooling and heating							
Piping connections	Liquid	Flare	Ø6.4			Ø6.4	Ø9.5	
	Gas	Flare	Ø12.7			Ø12.7	Ø15.9	
	Drain		VP13 (external diameter 18, internal diameter 14)			VP20 (external diameter 26, internal diameter 20)		
Sound absorbing thermal insulation	foamed polystyrene / foamed polyethylene							
Safety devices	PC board fuse, fan motor thermal protector							

- Notes:
- Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB  
outdoor temperature: 35°CDB  
equivalent refrigerant piping: 5m (horizontal)
  - Nominal heating capacities are based on: indoor temperature: 20°CDB  
outdoor temperature: 7°CDB, 6°CWB  
equivalent refrigerant piping: 5m (horizontal)
  - Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat
  - \*Data were not available at the time of publication

## ACCESSORIES

### WALL MOUNTED UNIT

			FXA20LVE	FXA25LVE	FXA32LVE	FXYP40KV19	FXYP50KV19	FXYP63KV19
Wired remote control	BRC1C517							
Infrared remote control	Cooling only		BRC7E619			BRC7C511W		
	Heat pump		BRC7E618			BRC7C510W		
Drain pump kit	K-KDU572BVE			KDU57A63VE				



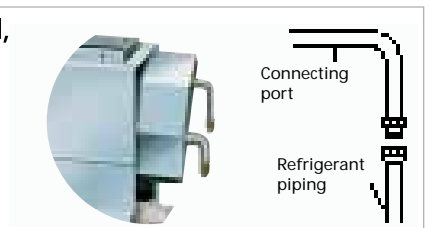


# FXL / FXN

## (CONCEALED) FLOOR STANDING UNIT

- Ideal for installation beneath a window
- The floor standing unit is a mere 222mm deep and 600mm high and requires very little installation space
- Running the pipes from connections at the back, enables the unit to be wall mounted which in turn allows cleaning beneath the unit where dust tends to accumulate
- On site connection during installation is easier
- Long life filter fitted as standard
- All models are available with remote control

• The connecting port faces downward, eliminating the need to attach auxiliary piping



BRC1C517



BRC4C64/62

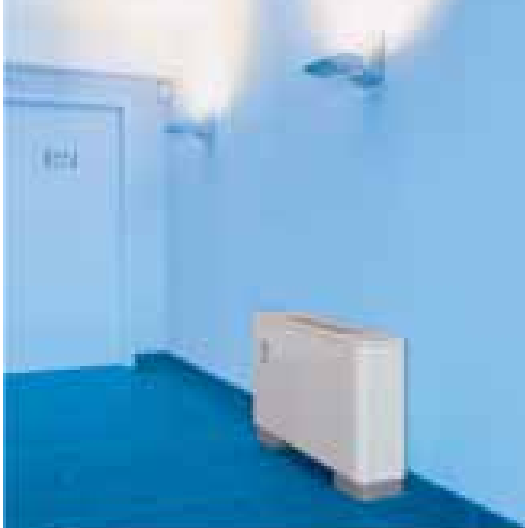


BRC2A51



BRC3A61

The ideal unit for perimeter air conditioning



## FXL/FXN-LVE

				20	25	32	40	50	63	
Nominal cooling capacity		kW		2.2	2.8	3.6	4.5	5.6	7.1	
Nominal heating capacity		kW		2.5	3.2	4.0	5.0	6.3	8.0	
Power input	Cooling	W		49		90		110		
	Heating	W		49		90		110		
Power supply		1 ~, 50Hz, 230V								
Dimensions	FXL	HxWxD	mm	600x1,000x222			600x1,140x222		600x1,420x222	
	FXN	HxWxD	mm	610x930x220			610x1,070x220		610x1,350x220	
Weight	FXL	kg		25		30		36		
	FXN	kg		19		23		27		
Colour	FXL ivory white (5Y7.5/1)									
Casing	FXN galvanised steel plate									
Sound pressure level - 220V	High	dB(A)		35		35		38		
	Low	dB(A)		32		32		33		
Sound power level	dB(A)		*		*		*		*	
Air flow rate	High	m³/h		420		480		660		
	Low	m³/h		360		360		510		
Air filter	resin net with mold resistant									
Temperature control	microprocessor thermostat for cooling and heating									
Piping connections	Liquid	Flare	mm	Ø6.4				Ø9.5		
	Gas	Flare	mm	Ø12.7				Ø15.9		
	Drain	mm		Ø21 external diameter (vinyl chloride)						
Sound absorbing thermal insulation	glass fiber / urethane foam									
Safety devices	PC board fuse, fan motor thermal protector									

- Notes:
- Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB  
outdoor temperature: 35°CDB  
equivalent refrigerant piping: 5m (horizontal)
  - Nominal heating capacities are based on: indoor temperature: 20°CDB  
outdoor temperature: 7°CDB, 6°CWB  
equivalent refrigerant piping: 5m (horizontal)
  - Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat
  - \*Data were not available at the time of publication

## ACCESSORIES

### FXL/FXN-LVE

				20	25	32	40	50	63
Wired remote control		BRC1C517, BRC2A51, BRC3A61							
Infrared remote control	Cooling only	BRC4C64							
	Heat pump	BRC4C62							
Replacement long life filter		KAFJ361K28		KAFJ361K45		KAFJ361K71			

**P**  
product features  
OUTDOOR UNITS



# Survey **VRV™** outdoor units using R-407C



**VRV™** Inverter cooling only

5-8-10

**RSXP-L7**

p. 56



**VRV™** Inverter heat pump

5-8-10

**RSXYP-L7**

p. 57



**VRV™** Inverter cooling only / heat pump

5-8-10

**RSX(Y)P-K7**

p. 58

**VRV™** Heat recovery

8-10

**RSEYP-K7**

p. 59



**VRV™ PLUS** Inverter heat pump

16-18-20-24-26-28-30

**RSXYP-KJ**

p. 60

**VRV™ PLUS** Heat recovery

16-18-20-24-26-28-30

**RSEYP-KJ**

p. 62

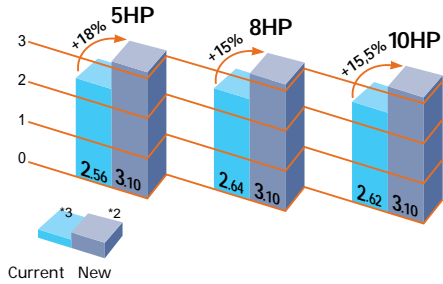
All units have standard treatment against corrosion(\*). Units with 5mm H<sub>2</sub>O external static pressure are available on request.

(\*): Note: for extremely corrosive environmental conditions, additional precautions have to be taken.

# **VRV™ features**

## Average cooling-heating COP\*1

Value represents that to be achieved by a single outdoor unit.



## Energy Saving

- Highest COP in both cooling and heating operation
- High partial load performance

**No. 1 COP**

\*1. Average cooling-heating COP is obtained by adding the COP of cooling to the COP of heating and then dividing the sum by 2.

\*2. COP's figures are reference value

\*3. COP - comparison with the current K Series

## Environmental Friendly

- Ozone friendly refrigerant : R-407C
- Dramatic reduction in refrigerant charge compared to the current range :



RSXYP-L7W1	5	8	10
Reduction of	11 %	10.5 %	14 %

- Refrigerant recovery function :  
this service mode enables all expansion valves of the VRV system to be opened. In this way the refrigerant can be drained from the VRV piping system and stored in a separate recovery tank.

## Control Systems

**touch Intelligent Controller**

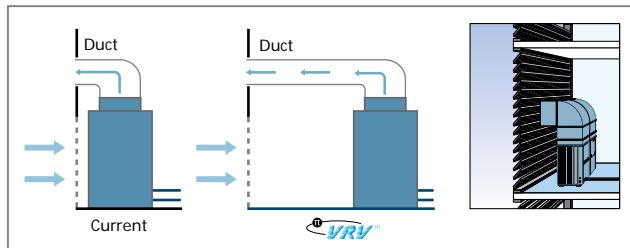
**Intelligent Manager**

LON controller

**BACnet Gateway**

## Flexible Design

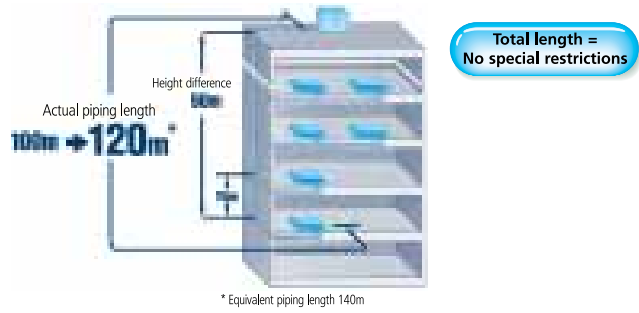
- **Increased installation flexibility**  
Outdoor units can be installed far back from former location.



- **External Static Pressure** (as standard by field setting)

3 mm  $H_2O$  → 6 mm  $H_2O$

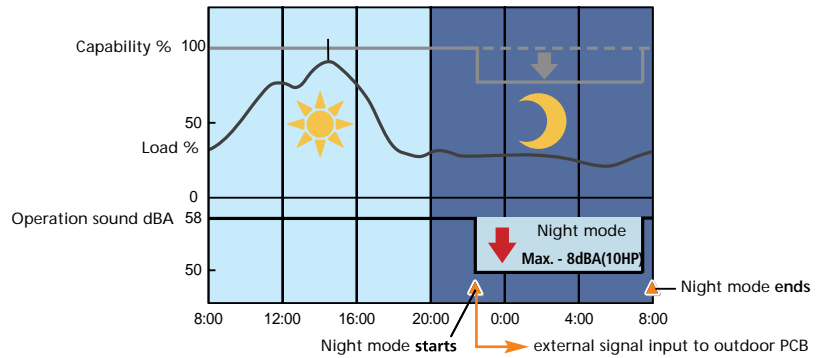
• **Maximum actual piping length 120m**



**Extremely quiet operation**

• **Night quiet function (max. -8dBA)**

During night time, sound level of the outdoor unit can be reduced for a certain period : starting time and ending time can be input

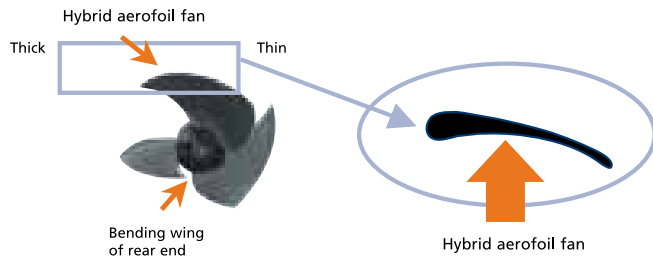


**Notes :**

- This function is available in setting at site.
- The relationship of outdoor temperature (load) and time shown in the graph is just an example.

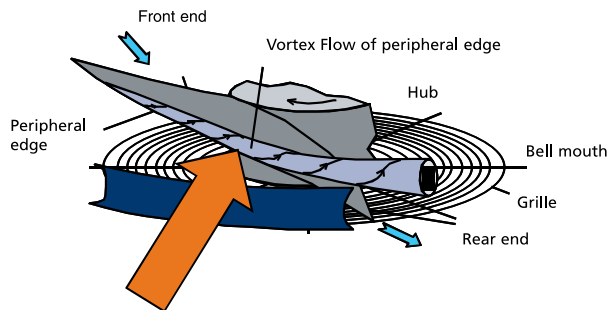
• **Hybrid aerofoil fan**

The newly developed fan ensures low sound level performance at the thick part of the aerofoil and power saving at the thin part of the foil (wide inlet fan)



• **High flared bell mouth:**

improves low sound level characteristics by applying air flow analyses techniques developed by NASA to create smooth air flow at the edge of foil.



It reduces Vortex Flow of peripheral edge, power input and noise.

• **Super aero grille:** the spiral shaped ribs are aligned with the direction of discharge flow in order to minimise turbulence and reduce noise.



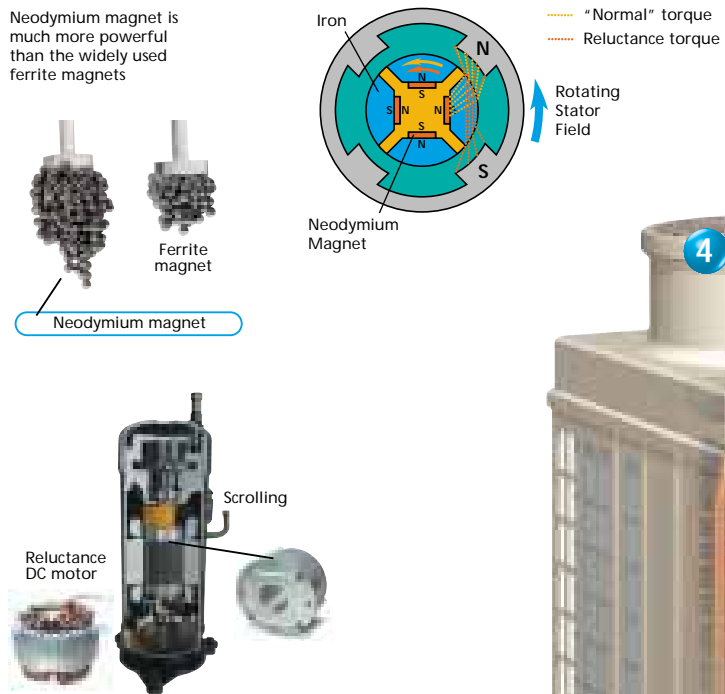
An energy efficiency increase of approximately 20% achieved by the adoption of diverse new technologies :

**1 Reluctance Brushless DC Compressor**

Energy Saving up 11%

The reluctance brushless DC motor provides significant increases in efficiency compared to conventional AC inverter motors, simultaneously using 2 different forms of torque (normal and reluctance torque) to produce extra power from small electric currents. The motor comprises powerful neodymium magnets, that create the reluctance torque. These magnets are approximately 10 times stronger than ferrite magnets and make a major contribution to its energy saving characteristics.

Secret to raising energy-efficiency! Powerful magnets

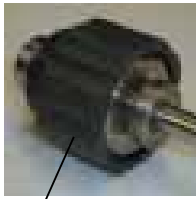


**2 Sine Wave DC inverter**

Optimizing the sine wave curve, results in smoother motor rotation and improved motor efficiency.



DC fan motor structure



magnet

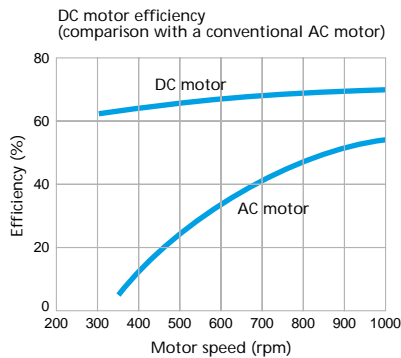


### 3 DC fan motor

The use of a DC fan motor offers substantial improvements in operating efficiency compared to conventional AC motors, especially during low speed rotation.

Energy Saving  
up 2%

**FIRST**  
in the industry



### 4 Super aero grill & powerful fan

Improved aerodynamic shape of the grille in combination with a newly developed fan results in a 10 % increase in air flow rate.

Energy Saving  
up 4%

### 5 e-Bridge circuit

Prevents accumulation of liquid refrigerant in the condenser. This results in more efficient use of the condenser surface under any circumstance and leads in turn to better energy efficiency.

Energy Saving  
up 1%

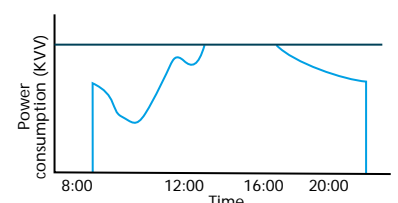
### 6 e-Pass heat exchanger

Optimization of the path layout of the heat exchanger prevents heat transferring from the overheated gas section towards the sub cooled liquid section - a more efficient use of the heat exchanger.

Energy Saving  
up 2%

### 5 i-demand function

The newly introduced current sensor minimizes the difference between the actual power consumption and the predefined power consumption.





# High-tech supporting R-407C VRV Plus systems

## 1 Newly developed inverter unit

Detailed capacity control in accordance with high-efficiency scroll compressor operation.

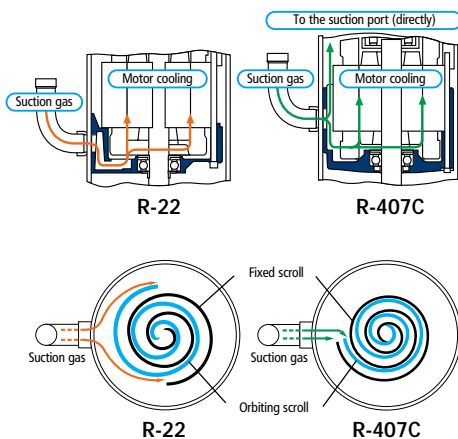
## 2 Oil-return operation control

Daikin's original sensor technology for accurate return of lubrication oil to compressors.

## 3 High-efficiency scroll compressor

Conventional compressors were designed to cool a motor with all incoming refrigerant gas and send it to the compression process. Daikin's new scroll compressor separates incoming refrigerant: a gas which is fed to compressing process through motor in order to cool the motor and a gas which is fed to compressing process directly. This minimizes loss in motor section.

The refrigerant gas inlet to the compression process is located near the suction inlet to minimize loss.



## 4 Intelligent defrost control

Detection of frosting conditions of a multiple number of heat exchangers to achieve timely activation of defrost operation.

## 5 Twin / triple compressor control

Optimum capacity control of two or three compressors in accordance with load. (16~20 HP: twin, 24~30 HP: triple)

## 6 New type oil separation

Ensures high reliability even with extended piping.





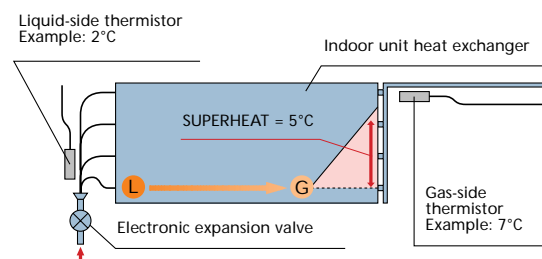
## 7 Eco-friendly

- Ozon friendly refrigerant : R-407C
- Compared to other similar systems, Daikin R-407C VRV systems need very little refrigerant charge and can therefore be considered as the most ozone friendly units currently available in the market

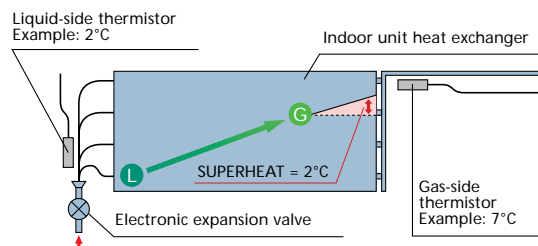
## 8 Superheat optimization control (Indoor unit)

In an indoor unit, liquid refrigerant is heated by a heat exchanger, and it boils and evaporates, thus changing to a gas state. The refrigerant temperature is controlled by an electronic expansion valve and thermistor so the temperature difference between the inlet and outlet stays 5°C. R-22, a single-component refrigerant, remains at a constant temperature until it changes completely to a gas; therefore, the gas must be superheated to increase the temperature by 5°C. By contrast, R-407C, a mixture of three different refrigerants, increases in temperature before it becomes a gas, thus requiring the superheating process to bring up the temperature by only 2°C. This means more efficient operation of the heat exchanger.

### R-22 REFRIGERANT



### R-407C REFRIGERANT



L: liquid refrigerant / G: gas refrigerant



# INVERTER COOLING ONLY HIGH COP UNIT

No. 1 COP

RSXP - L7W1			5	8	10	
Nominal cooling capacity			kW	14.0	22.4	28.0
Power input			kW	4.52	7.23	9.03
Power supply				3~, 50Hz, 400V		
Dimensions	HxWxD	mm	1,440x635x690	1,220x1,280x690	1,440x1,280x690	
Weight			kg	149	227	257
Colour				ivory white		
Sound pressure level			dB(A)	54	58	58
Sound power level			dB(A)	72	78	78
Fan	Type		propeller fan			
	Air flow rate	m <sup>3</sup> /h	5,400	10,080	11,400	
Refrigerant	Name		R-407C			
	Charge	kg	5.6	8.6	9.6	
	Control		electronic expansion valve			
Refrigerant oil	Type		DAPHNE FVC68D			
	Charge	l	1.2	1.6 + 1.5	1.6 + 1.5	
Compressor	Type		hermetically sealed scroll compressor			
	Model		JT1FAVDKYR@P	JT1FAVDKYR@P + JT125FAKTYE@P	JT1FAVDKYR@P + JT170FAKTYE@P	
	Starting method		direct on line			
Piping connections	gas	mm	19.1	25.4 / 28.6	28.6	
		flare connection		brazing connection	brazing connection	
	liquid	flare	mm	9.5	12.7	12.7
Safety devices			PC board (A2P) fuse, fan motor overcurrent protector, high pressure switch, overcurrent relay (comp)(for size 8 & 10), inverter fin thermal			

- Notes:
- Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB  
outdoor temperature: 35°CDB  
equivalent refrigerant piping: 7.5m (horizontal)
  - Nominal heating capacities are based on: indoor temperature: 20°CDB  
outdoor temperature: 7°CDB, 6°CWB  
equivalent refrigerant piping: 7.5m (horizontal)
  - Sound pressure and sound power levels are measured in a semi-anechoic room

## ACCESSORIES

RSXP - L7W1			5	8	10
Cool/heat selector			KRC19-26		
Fixing box			KJB111A		
Refnet header			KHRP26K11H7	KHRP26K18HA7	
			KHRP26K18HA7	KHRP26K37H7	
Refnet joint			KHRP26K11T7	KHRP26K18TA7	
			KHRP26K18TA7	KHRP26K37T7	
Wire mounting plate			KKSJ26A (standard type)		



# INVERTER HEAT PUMP HIGH COP UNIT

No. 1 COP

## RSXYP - L7W1

5

8

10

		5	8	10
Nominal cooling capacity	kW	14.0	22.4	28.0
Nominal heating capacity	kW	16.0	25.0	31.5
Power input	Cooling	kW	4.52	7.23
	Heating	kW	5.16	7.97
Power supply		3~, 50Hz, 400V		
Dimensions	HxWxD	mm	1,440x635x690	1,220x1,280x690
Weight		kg	149	227
Colour			ivory white	
Sound pressure level		dB(A)	54	58
Sound power level		dB(A)	72	78
Fan	Type		propeller fan	
	Air flow rate	m <sup>3</sup> /h	5,400	10,080
Refrigerant	Name		R-407C	
	Charge	kg	5.6	8.6
	Control		electronic expansion valve	
Refrigerant oil	Type		DAPHNE FVC68D	
	Charge	l	1.2	1.6 + 1.5
Compressor	Type		hermetically sealed scroll compressor	
	Model		JT1FAVDKTYR@P	JT1FAVDKTYR@P + JT125FAKTYE@P
	Starting method		direct on line	
Piping connections	gas	mm	19.1	25.4/28.6
			flare connection	brazing connection
	liquid	flare	mm	9.5

Safety devices

PC board (A2P) fuse, fan motor overcurrent protector, high pressure switch, overcurrent relay (comp) (for size 8 & 10), inverter fin thermal

- Notes:
- Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB  
outdoor temperature: 35°CDB  
equivalent refrigerant piping: 7.5m (horizontal)
  - Nominal heating capacities are based on: indoor temperature: 20°CDB  
outdoor temperature: 7°CDB, 6°CWB  
equivalent refrigerant piping: 7.5m (horizontal)
  - Sound pressure and sound power levels are measured in a semi-anechoic room

## ACCESSORIES

### RSXYP - L7W1

5

8

10

		5	8	10
Cool/heat selector		KRC29-26		
Fixing box		KJB111A		
Refnet header		KHRP26K11H7	KHRP26K18HA7	
		KHRP26K18HA7	KHRP26K37H7	
		KHRP26K11T7	KHRP26K18TA7	
		KHRP26K18TA7	KHRP26K37T7	
Wire mounting plate		KKSJ26A (standard type)		



# INVERTER COOLING ONLY / HEAT PUMP

RSX(Y)P - K7W1			COOLING ONLY			HEAT PUMP			
			5	8	10	5	8	10	
Nominal cooling capacity	kW		14.0	22.4	28.0	14.0	22.4	28.0	
Nominal heating capacity	kW		-	-	-	16.0	25.0	31.5	
Power input	Cooling	kW	6.10	9.43	11.8	6.10	9.43	11.8	
	Heating	kW	-	-	-	5.67	8.66	11.0	
Power supply	3~, 50Hz,400V								
Dimensions	HxWxD	mm	1,440x635x690	1,220x1,280x690	1,440x1,280x690	1,440x635x690	1,220x1,280x690	1,440x1,280x690	
Weight	kg		137	227	248	137	227	248	
Colour	ivory white (5Y7.5/1)								
Sound pressure level	dB(A)		54	57	58	54	57	58	
Sound power level	dB(A)		*	*	*	*	*	*	
Fan	Type	propeller fan							
	Air flow rate	m <sup>3</sup> /h	4,800	9,000	10,200	4,800	9,000	10,200	
Refrigerant	Name	R-407C							
	Charge	kg	6.3	9.6	11.2	6.3	9.6	11.2	
	Control	electronic expansion valve							
Refrigerant oil	Type	synthetic	DAPHNE FVC68D						
	Charge	l	1.2	1.5 + 1.4	1.5 + 1.7	1.2	1.5 + 1.4	1.5 + 1.7	
Compressor	Type	hermetically sealed scroll compressor							
	Model	JT100BEVYE		JT100BEVYE+JT100BETYE		JT100BEVYE		JT100BEVYE+JT100BETYE	
	Starting method	direct on line							
Piping connections	Liquid	flare	mm	9.5	12.7	12.7	9.5	12.7	12.7
	Gas	mm		19.1 (flare)	28.6 (brazing)	28.6 (brazing)	19.1 (flare)	28.6 (brazing)	28.6 (brazing)
Safety devices	PC board fuse, fan motor thermal protector, high pressure switch, fusible plug, overcurrent relay (for RSX(Y)P8,10K7W1), inverter fin thermal								

- Notes:
- Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB  
outdoor temperature: 35°CDB  
equivalent refrigerant piping: 8m (horizontal)
  - Nominal heating capacities are based on: indoor temperature: 20°CDB  
outdoor temperature: 7°CDB, 6°CWB  
equivalent refrigerant piping: 8m (horizontal)
  - \*Data were not available at the time of publication.

## ACCESSORIES

RSX(Y)P - K7W1	16	18	20
Cool/heat selector	KRC19-26		
Fixing box	KJB111A		
Fan motor size up (high E.S.P. modification (5mmH <sub>2</sub> O))	NFM22C5	NFM22C10	NFM22C5
Refnet header	KHRP26K11H7		KHRP26K18HA7
	KHRP26K18HA7		KHRP26K37H7
Refnet joint	KHRP26K11T7		KHRP26K18TA7
	KHRP26K18TA7		KHRP26K37T7
Wire mounting plate	KKSJ26A (standard type)		

# HEAT RECOVERY

## RSEYP - K7W1

8

10

Nominal cooling capacity	kW		22.4	28.0
Nominal heating capacity	kW		25.0	31.5
Power input	Cooling	kW	9.43	11.8
	Heating	kW	8.66	11.0
Power supply	3~, 50Hz, 400V			
Dimensions	HxWxD	mm	1,220x1,280x690	1,440x1,280x690
Weight			247	273
Colour	ivory white (5Y7.5/1)			
Sound pressure level - 380V	dB(A)		57	58
Sound power level	dB(A)		77	79
Fan	Type	propeller fan		
	Air flow rate	m <sup>3</sup> /h	9,000	10,200
Refrigerant	Name	R-407C		
	Charge	kg	13.1	15.3
	Control	electronic expansion valve		
Refrigerant oil	Type	synthetic	DAPHNE FVC68D	
	Charge	l	1.5+1.4	1.5+1.7
Compressor	Type	hermetically sealed scroll compressor		
	Model	JT100BEVTYE+JT100BETYE		JT100BEVTYE+JT160BETYE
	Starting method	direct on line		
Piping connections	Liquid	flare	mm	12.7
	Gas	brazing	mm	28.6
	Discharge gas	flare	mm	19.1
Safety devices	PC board fuse, fan motor thermal protector, high pressure switch, overcurrent relay, inverter fin thermal			

Notes: • Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB  
 outdoor temperature: 35°CDB  
 equivalent refrigerant piping: 5m  
 level difference: 0m  
 • Nominal heating capacities are based on: indoor temperature: 20°CDB  
 outdoor temperature: 7°CDB, 6°CWB  
 equivalent refrigerant piping: 5m  
 level difference: 0m

## ACCESSORIES

### RSEYP - K7W1

8

10

Fan motor size up (high E.S.P. modification (5mmH <sub>2</sub> O))	NFM22C10	NFM22C5
Refnet header	KHRP26K18H / KHRP25K18H / KHRP25K37H	
Refnet joint	KHRP26K18T / KHRP25K18T / KHRP25K20T	
Wire mounting plate	KKSJ26A (standard type)	

## BS UNIT

### BSVP - KJV1(9)

100

160

250

Power supply	1~, 50Hz, 230V					
Power input	Cooling	kW	24	26		
	Heating	kW	26	26		
Casing	galvanised steel plate					
Dimensions	HxWxD	mm	185 x 310 x 280	185 x 590 x 435		
Sound absorbing thermal insulation	flame and heat resistant foamed polyethylene					
Piping connections (Flare connection)	Indoor unit	Liquid	mm	9.5	9.5	12.7
		Gas	mm	15.9	19.1	25.4
	Outdoor unit	Liquid	mm	9.5	9.5	12.7
		Suction gas	mm	15.9	19.1	25.4
		Discharge gas	mm	12.7	15.9	19.1
Weight	kg		9	11	21	
Safety devices	PC board fuse					



# INVERTER HEAT PUMP

MODEL NAME MAIN UNIT - SUB UNIT		RSXYP16KJY1		RSXYP18KJY1		RSXYP20KJY1		
		RXYP8KJY19	RXEP8K7W1	RXYP10KJY19	RXEP8K7W1	RXYP10KJY19	RXEP10K7W1	
Nominal cooling capacity	kW	43.8		49.3		54.7		
Nominal heating capacity	kW	43.8		49.3		54.7		
Power input	Cooling	15.7		18.1		20.2		
	Heating	14.2		15.5		16.9		
Power supply		3~, 50Hz, 400V						
Dimensions	HxWxD	mm	1,440x1,280x690	1,220x1,280x690	1,440x1,280x690	1,220x1,280x690	1,440x1,280x690	
Weight		kg	360	95	365	95	365	
Colour			ivory white (5Y7.5/1)					
Sound pressure level - 380V		dB(A)	60		60		60	
Sound power level		dB(A)	*		*		*	
Fan	Type		propeller fan					
	Air flow rate	m <sup>3</sup> /h	19,200		19,200		20,400	
Refrigerant	Name		R-407C					
	Charge	kg	15.5		16.6		16.6	
	Control		electronic expansion valve					
Refrigerant oil	Type		DAPHNE FVC68D					
	Charge	l	4.0+4.0					
Compressor	Type		hermetically sealed scroll compressor					
	Model		JT236DAVTYE@P2 + JT212DATYE@P2		JT236DAVTYE@P2 + JT265DATYE@P2			
	Starting method		direct on line					
Piping connections	Outdoor unit	Liquid	mm	Ø15.9 flare connection		Ø19.1 flare connection		
		Gas	mm	Ø34.9 brazing connection				
	Main ~ sub unit	Liquid	mm	Ø12.7 flare ~ brazing connection				
		Gas	mm	Ø28.6 brazing ~ brazing connection				

Safety devices

high pressure switch, fan motor safety thermostat, inverter overload protector, overcurrent relay, fusible plugs

- Notes:
- Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB  
outdoor temperature: 35°CDB  
equivalent refrigerant piping: 5m  
level difference: 0m
  - Nominal heating capacities are based on: indoor temperature: 20°CDB  
outdoor temperature: 7°CDB, 6°CWB  
equivalent refrigerant piping: 5m  
level difference: 0m
  - \*Data were not available at the time of publication

## ACCESSORIES

RSXYP - KJY1	16	18	20
Cool/heat selector	KRC19-26		
Fixing box	KJB111A		
Refnet header	KHRP26K11H(max. 4 branches), KHRP26K18H (max. 8 branches) KHRP26K37H (max. 8 branches), KHRP26K40H (max. 8 branches)		
Refnet joint	KHRP26K11T, KHRP26K18T, KHRP26K37T, KHRP26K40T, KHRP26K75T		
Pipe size reducer	KHRP26K40TP, KHRP26K40HP, KHRP26K75TP		
Fixing wiring plate	KKSJA26A		
Fan motor size up	NFM22C10 (for main unit), NFM22E10 (for sub unit)		

**MODEL NAME**  
**MAIN UNIT - SUB UNIT**

<b>RSXYP24KJY1</b>		<b>RSXYP26KJY1</b>		<b>RSXYP28KJY1</b>		<b>RSXYP30KJY1</b>	
<b>RXYP16KJY19</b>	<b>RXEP8K7W1</b>	<b>RXYP16KJY19</b>	<b>RXEP10K7W1</b>	<b>RXYP20KJY19</b>	<b>RXEP8K7W1</b>	<b>RXYP20KJY19</b>	<b>RXEP10K7W1</b>

Nominal cooling capacity		kW	65.7		71.2		76.6		82.1		
Nominal heating capacity		kW	65.7		71.2		76.6		82.1		
Power input	Cooling	kW	25.0		26.9		28.7		31.2		
	Heating	kW	21.4		21.9		23.9		27.1		
Power supply	3~, 50Hz, 400V										
Dimensions	HxWxD	mm	1,450x2,580x690	1,220x1,280x690	1,450x2,580x690	1,440x1,280x690	1,450x2,580x690	1,220x1,280x690	1,450x2,580x690	1,440x1,280x690	
Weight		kg	620	95	620	105	630	95	630	105	
Colour	ivory white (5Y7.5/1)										
Sound pressure level 380V		dB(A)	62		62		62		62		
Sound power level		dB(A)	*		*		*		*		
Fan	Type	propeller fan									
	Air flow rate	m <sup>3</sup> /h	29,400		30,600		29,400		30,600		
Refrigerant	Name	R-407C									
	Charge	kg	23.3		23.3		25.3		25.3		
Refrigerant oil	Control	electronic expansion valve									
	Type	DAPHNE FVC68D									
Compressor	Charge	l	4.0+4.0+4.0								
	Type	hermetically sealed scroll compressor									
Piping connections	Model	JT236DAVTYE@P2+JT236DATYE@P2 X 2		JT236DAVTYE@P2+JT236DATYE@P2 X 2		JT236DAVTYE@P2+JT300DATYE@P2 X 2					
	Starting method	direct on line									
Outdoor unit	Liquid	mm	Ø19.1 flare connection			Ø22.2 brazing connection					
		mm	Ø41.3 brazing connection			Ø41.3 brazing connection					
	Main ~ sub unit	Liquid	mm	Ø12.7 flare ~ brazing conn.			Ø12.7 flare ~ brazing connection				
		Gas	mm	Ø28.6 brazing ~ brazing conn.			Ø28.6 brazing ~ brazing connection				

**Safety devices**

high pressure switch, fan motor safety thermostat, inverter overload protector, overcurrent relay, fusible plugs

- Notes: •Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB  
outdoor temperature: 35°CDB  
equivalent refrigerant piping: 5m  
level difference: 0m
- Nominal heating capacities are based on: indoor temperature: 20°CDB  
outdoor temperature: 7°CDB, 6°CWB  
equivalent refrigerant piping: 5m  
level difference: 0m
- \*Data were not available at the time of publication

## ACCESSORIES

**RSXYP - KJY1**

**24** | **26** | **28** | **30**

Cool/heat selector	KRC19-26			
Fixing box	KJB111A			
Refnet header	KHRP26K11H(max. 4 branches), KHRP26K18H (max. 8 branches) KHRP26K37H (max. 8 branches), KHRP26K40H (max. 8 branches)			
Refnet joint	KHRP26K11T, KHRP26K18T, KHRP26K37T, KHRP26K40T, KHRP26K75T			
Pipe size reducer	KHRP26K40TP, KHRP26K40HP, KHRP26K75TP			
Fixing wiring plate	KKSJ26A			
Fan motor size up	NFM22E20 (for main unit), NFM22E10 (for sub unit)			





# HEAT RECOVERY

MODEL NAME MAIN UNIT - SUB UNIT		RSEYP16KJY1		RSEYP18KJY1		RSEYP20KJY1	
		REYP8KJY1	RXEP8K7W1	REYP10KJY1	RXEP8K7W1	REYP10KJY1	RXEP10K7W1
Nominal cooling capacity	kW	43.8		49.3		54.7	
Nominal heating capacity	kW	43.8		49.3		54.7	
Power input	Cooling	15.7		18.7		21.8	
	Heating	14.2		15.5		16.9	
Power supply		3~, 50Hz, 400V					
Dimensions	HxWxD	mm	1,440x1,280x690	1,220x1,280x690	1,440x1,280x690	1,220x1,280x690	1,440x1,280x690
Weight		kg	375	95	375	95	375
Colour			ivory white (5Y7.5/1)				
Sound pressure level - 380V		dB(A)	60		60		60
Sound power level		dB(A)	*		*		*
Fan	Type		propeller fan				
	Air flow rate	m <sup>3</sup> /h	19,200		19,200		20,400
Refrigerant	Name		R-407C				
	Charge	kg	19.8				
	Control		electronic expansion valve				
Refrigerant oil	Type		DAPHNE FVC68D				
	Charge	l	4.0+4.0				
Compressor	Type		hermetically sealed scroll compressor				
	Starting method		direct on line				
Piping connections	Outdoor unit	Liquid	mm	Ø15.9 brazing connection		Ø19.1 flare connection	
		Gas	mm	Ø34.9 brazing connection			
		Disch.gas	mm	Ø28.6 brazing connection			
	Main ~ sub unit	Liquid	mm	Ø12.7 flare ~ brazing connection			
		Gas	mm	Ø28.6 brazing ~ brazing connection			

Safety devices

high pressure switch, fan motor safety thermostat, inverter overload protector, overcurrent relay, fusible plugs

Notes: •Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB  
 outdoor temperature: 35°CDB  
 equivalent refrigerant piping: 7.5m  
 level difference: 0m  
 •Nominal heating capacities are based on: indoor temperature: 20°CDB  
 outdoor temperature: 7°CDB, 6°CWB  
 equivalent refrigerant piping: 7.5m  
 level difference: 0m  
 •\*Data were not available at the time of publication

## ACCESSORIES

RSEYP - KJY1		16	18	20
Refnet header	2 Pipes	KHRP26K18H (max. 8 branches), KHRP26K37H (max. 8 branches), KHRP26K40H (max. 8 branches)		
	3 Pipes	KHRP25K18H (max. 6 branches), KHRP25K37H (max. 8 branches), KHRP25K40H (max. 8 branches)		
Refnet joint	2 Pipes	KHRP26K18T, KHRP26K37T, KHRP26K40T		
	3 Pipes	KHRP25K18T, KHRP25K20T, KHRP25K40T, KHRP25K75T		
Pipe size reducer		KHRP26K40TP, KHRP26K40HP, KHRP26K75TP, KHRP25K75TP		
Fixing wiring plate		KKSJ26A		
Fan motor size up		NFM22C10 (for main unit), NFM22E10 (for sub unit)		

**MODEL NAME**  
**MAIN UNIT - SUB UNIT**

		<b>RSEYP24KJY1</b>		<b>RSEYP26KJY1</b>		<b>RSEYP28KJY1</b>		<b>RSEYP30KJY1</b>		
		<b>REYP16KJY1</b>	<b>RXP8K7W1</b>	<b>REYP16KJY1</b>	<b>RXP10K7W1</b>	<b>REYP20KJY1</b>	<b>RXP8K7W1</b>	<b>REYP20KJY1</b>	<b>RXP10K7W1</b>	
Nominal cooling capacity	kW	65.7		71.2		76.6		82.1		
Nominal heating capacity	kW	65.7		71.2		76.6		82.1		
Power input	Cooling	25.0		26.9		28.7		31.2		
	Heating	21.4		21.9		23.9		27.1		
Power supply		3 ~, 50 Hz, 400V								
Dimensions	HxWxD	mm	1,460x2,580x690	1,220x1,280x690	1,460x2,580x690	1,440x1,280x690	1,460x2,580x690	1,220x1,280x690	1,460x2,580x690	
Weight		kg	640	95	640	105	640	95	640	
Colour			ivory white (5Y7.5/1)							
Sound pressure level - 380V		dB(A)	62		62		62		62	
Sound power level		dB(A)	*		*		*		*	
Fan	Type		propeller fan							
	Air flow rate	m <sup>3</sup> /h	29,400		30,600		29,400		30,600	
Refrigerant	Name		R-407C							
	Charge	kg	29.5							
	Control		electronic expansion valve							
Refrigerant oil	Type		DAPHNE FVC68D							
	Charge	l	4.0 + 4.0 + 4.0							
Compressor	Type		hermetically sealed scroll compressor							
	Starting method		direct on line							
Piping connections	Outdoor unit	Liquid	mm	Ø 19.1 flare connection		Ø 22.2 brazing connection		Ø 22.2 brazing connection		
		Gas	mm	Ø 41.3 brazing connection						
		Disch. gas	mm	Ø 28.6 brazing connection			Ø 34.9 brazing connection			
	Main ~ sub unit	Liquid	mm	Ø12.7 flare ~ brazing connection						
		Gas	mm	Ø28,6 brazing ~ brazing connection						
Safety devices			high pressure switch, fan motor safety thermostat, inverter overload protector, overcurrent relay, fusible plugs				high pressure switch, compressor safety thermostat, overcurrent relay fan motor safety thermostat, inverter overload protector, fusible plugs			
<p>Notes: • Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB          outdoor temperature: 35°CDB          equivalent refrigerant piping length: 7.5m          level difference: Om</p> <p>• Nominal heating capacities are based on: indoor temperature: 20°CDB          outdoor temperature: 7°CDB, 6°CWB          equivalent refrigerant piping length: 7.5m          level difference: Om</p> <p>• *Data were not available at the time of publication</p>										

**ACCESSORIES**

**RSEYP - KJY1**

**16**

**18**

**20**

Refnet header	2 Pipes	KHRP26K18H (max. 8 branches), KHRP26K37H (max. 8 branches), KHRP26K40H (max. 8 branches)
	3 Pipes	KHRP25K18H (max. 6 branches), KHRP25K37H (max. 8 branches), KHRP25K40H (max. 8 branches)
Refnet joint	2 Pipes	KHRP26K18T, KHRP26K37T, KHRP26K40T
	3 Pipes	KHRP25K18T, KHRP25K20T, KHR25A64T, KHRP25K40T, KHRP25K75T
Pipe size reducer		KHRP26K40TP, KHRP26K40HP, KHRP26K75TP, KHRP25K75TP
Fixing wiring plate		KKSAJ26A
Fan motor size up		NFM22E20 (for main unit), NFM22E10 (for sub unit)

# product features

## CONTROL SYSTEMS



# Survey control systems

## Individual control systems

Simplified remote control

**BRC2A51** p. 66

Simplified built-in remote control  
for hotel applications

**BRC3A61** p. 66

Wired remote control

**BRC1C517** p. 66

Infrared remote control

**BRC4C\*/BRC7C\*** p. 66

Centralised remote control

**DCS302B51** p. 67

Unified ON / OFF control

**DCS301B51** p. 67

Schedule timer

**DST301B51** p. 67

**Intelligent<sup>touch</sup> Controller**

**DCS601A51** p. 69

**Intelligent Manager**

**DAM602A51/52/53** p. 70

LON Controller

**DCS601A51R** p. 71

**BACnet Gateway**

**DMS502A51** p. 71

## Centralised control systems

## Daikin network solution

# Individual control systems



## Simplified remote control - BRC2A51

- simple, compact and easy to operate unit
- suitable for use in hotel bedrooms.

### Operation buttons :

- ON/OFF
- Operating mode selection
- Fan speed control
- Temperature setting

### Display :

- Cool/heat changeover control
- Heat Recovery Ventilation (HRV) in operation
- Set temperature
- Operating mode
- Centralised control indication
- Fan speed
- Defrost/hot start

- Malfunction adjustment
- Operating mode selection
- Fan speed control
- Filter sign reset
- Inspection test / operation



## Simplified built-in remote control for hotel applications - BRC3A61

- compact, user friendly unit
- ideal for use in hotel bedrooms.

### Operation buttons :

- ON/OFF
- Fan speed control
- Temperature setting

### Display :

- Heat Recovery Ventilation (HRV) in operation
- Set temperature
- Operating mode
- Centralised control indication
- Fan speed
- Defrost/hot start
- Malfunction



## Wired remote control - BRC1C517

- user friendly HRV function, thanks to the introduction of a button for ventilation mode and fan speed
- constantly monitoring of the system for malfunctions in a total of 80 components
- immediate display of fault location and condition
- reduction of maintenance time and costs.

### Operation buttons:

- ON/OFF
- Timer mode start/stop
- Timer on/off
- Programmed time
- Temperature setting
- Air flow direction adjustment
- Operating mode selection
- Fan speed control
- Filter sign reset
- Inspection test/operation

### Display:

- Operating mode
- Heat Recovery Ventilation (HRV) in operation
- Cool/heat changeover control
- Centralised control indication
- Group control indication
- Set temperature
- Air flow direction
- Programmed time
- Inspection/test operation
- Fan speed
- Clean air filter
- Defrost/hot start
- Malfunction



## Infrared remote control - BRC4C\*/BRC7C\*

### Operation buttons:

- ON/OFF
- Timer mode start / stop
- Timer mode on/off
- Programme time
- Temperature setting

- Air flow direction (FXYHP, FXYFP, FXYCP and FXYAP models only)
- Operating mode
- Fan speed control
- Filter sign reset
- Inspection / test indication

### Display:

- Operating mode
- Battery change
- Set temperature
- Air flow direction (FXYHP, FXYFP, FXYCP and FXYAP models only)
- Programmed time
- Inspection/test operation
- Fan speed

# Centralised control systems

Centralised control of the VRV system can be achieved via 3 user friendly compact controls: centralised remote control, unified on/off control and schedule timer. These controls may be used independently or in combination where 1 group = several (up to 16) indoor units in combination and 1 zone = several groups in combination. A centralised remote control is ideal for use in tenanted commercial buildings subject to random occupation, enabling indoor units to be classified in groups per tenant (zoning). The schedule timer programmes the schedule and operation conditions for each tenant and the control can easily be reset according to varying requirements.



## Centralised remote control - DCS302B51

Providing individual control of 64 groups (zones) of indoor units.

- a maximum of 64 groups (128 indoor units, max. 10 outdoor units) can be controlled
- a maximum of 128 groups (128 indoor units, max. 10 outdoor units) can be controlled via 2 centralised remote controls in separate locations
- zone control
- malfunction code display
- maximum wiring length of 1,000m (total: 2,000m)



## Unified ON/OFF control - DCS301B51

Providing simultaneous and individual control of 16 groups of indoor units

- a maximum of 16 groups (128 indoor units) can be controlled
- 2 remote controls in separate locations can be used
- operating status indication (normal operation, alarm)
- centralised control indication
- maximum wiring length of 1,000m (total: 2,000m)



## Schedule timer - DST301B51

Enabling 64 groups to be programmed

- a maximum of 128 indoor units can be controlled
- 8 types of weekly schedule
- a maximum of 48 hours back up power supply
- a maximum wiring length of 1,000m (total: 2,000m)

# Wide variety of control systems

Each indoor unit can be controlled independently from distances up to 500m, enabling remote control of the air conditioning system.

The use of 2 remote controls enables each indoor unit to be controlled from 2 different locations, although on/off control can still be effected at a single location.

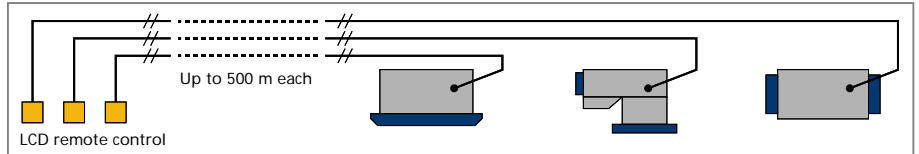
The ability to control up to 16 indoor units via a single remote control makes group control particularly efficient on systems where several units are installed in a large open area.

Group control can also be achieved by using 2 remote controls in separate locations.

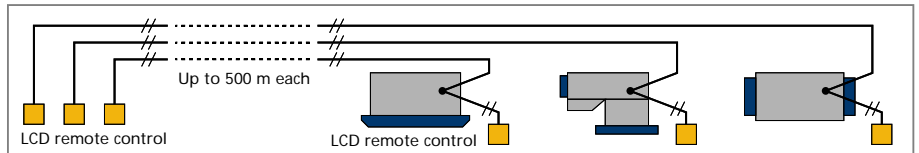
Up to 64 groups of indoor units can be controlled via a centralised remote control (128 groups if 2 zone controls are used).  
Max. 128 indoor units can be wired to a single or two zone controls.

The installation of an optional adapter enables indoor units to be controlled locally.

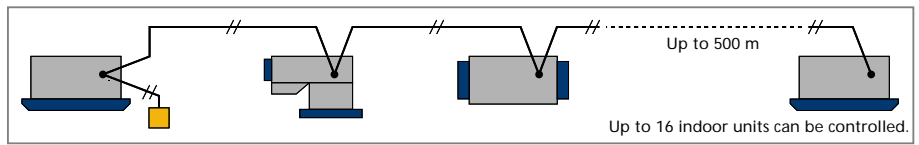
## Using a remote control



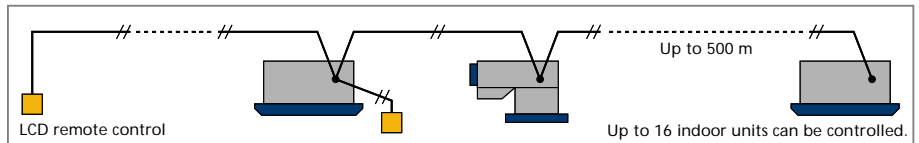
## Using 2 remote controls in different locations



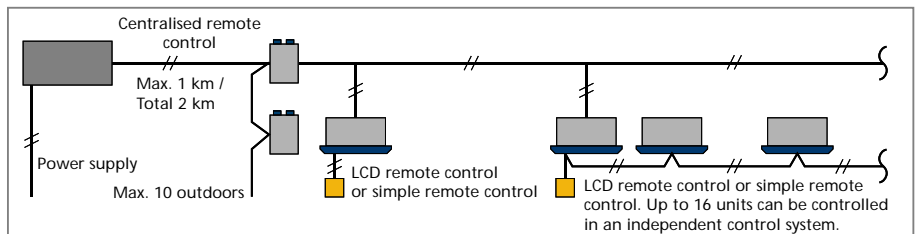
## Group control with a single remote control



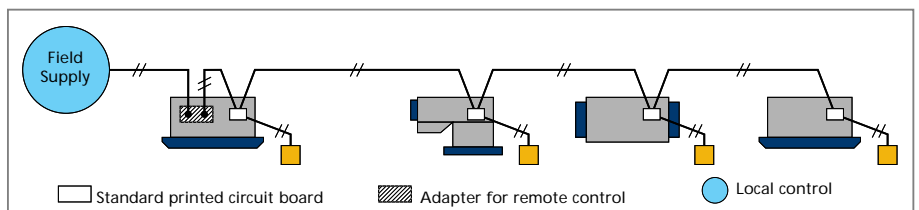
## Group control with two remote controls



## Using a centralised remote control



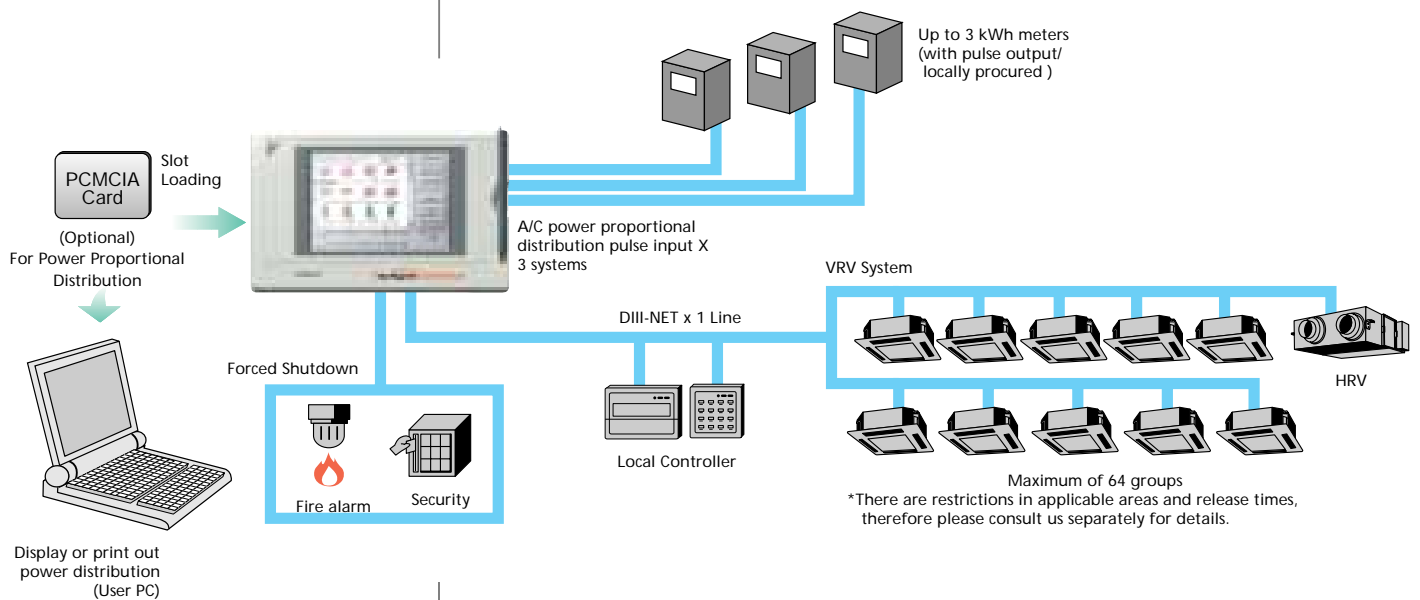
## Using a local control



# Daikin network solutions

## Intelligent touch Controller

Allows detailed & easy monitoring and operation of VRV systems (max. 64 control groups).



### Powerful functions

- Yearly schedule
- Proportional power consumption division
- Fire emergency stop control

### Simple operation

- Touch screen
- Colour LCD
- Icon display

### Cost performance

- Labor saving
- Easy installation
- Overall energy saving

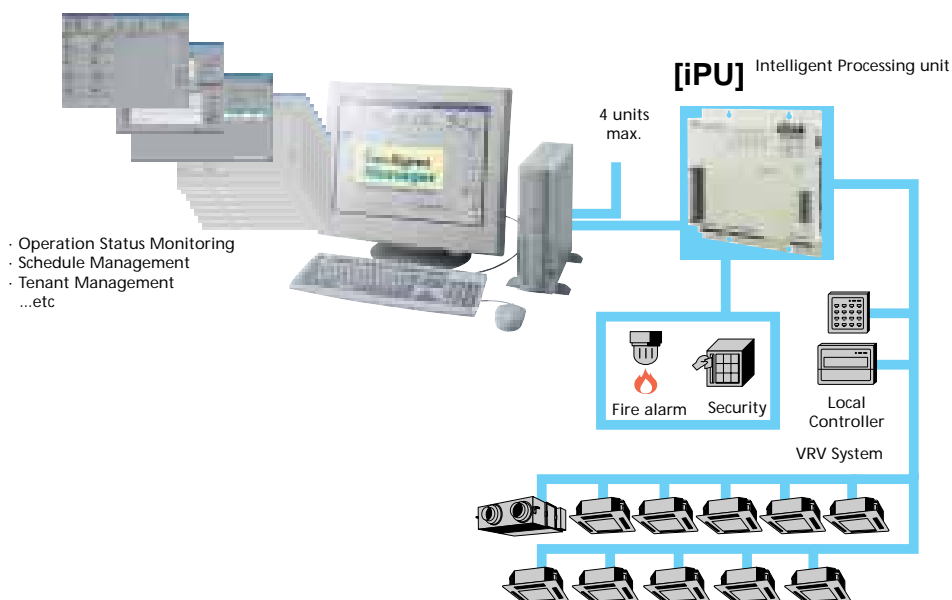


The ideal solution for control and management of maximum 1,024 VRV indoor units.

## System layout

- Up to 1,024 indoor units can be controlled (by 4 iPUs)
- Ethernet TCPIP / 10 base/T communication
- Integrated digital contacts on the Intelligent Processing Unit (iPU)
  - 19 general input ports
  - 2 digital outputs
- Stand alone operation of the iPU for minimum 48 hours
- Compatible with UPS shutdown software

## Intelligent Manager



## Management

- Proportional power consumption division
- Operational history management (start/stop, malfunction, operation hours)
- Generation of reports (graphics & tables) (daily, weekly, monthly)
- Peak load shedding
- Advanced tenant management
- Sliding temperature
- Eco mode

## Control

- Individual control (setpoint, start/stop, fan speed) (max. 1,024 indoor units)
- Group control (100 groups)
- Schedule control (128 programs)
- Fire emergency stop control (32 programs)
- Interlocking control
- Setpoint limitation
- Automatic cool-heat change-over
- Power failure/release control
- Temperature limit (automatic start)
- Timer extension

## Monitoring

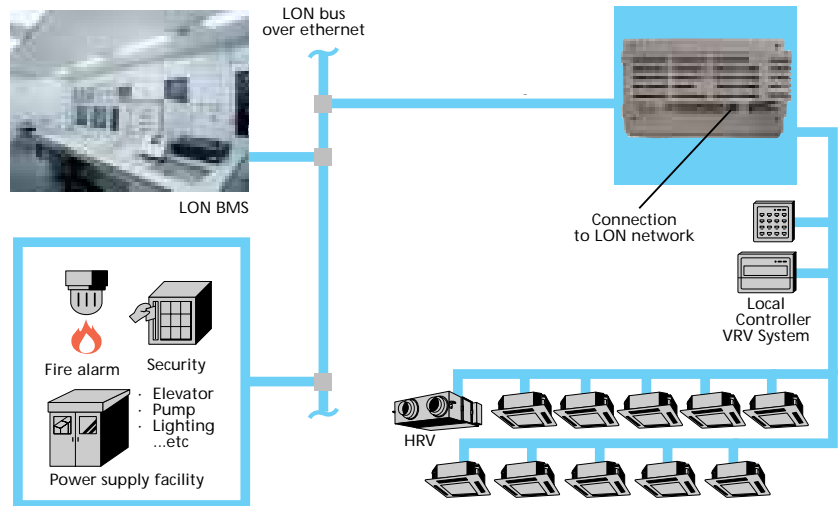
- Visualisation via a Graphical User Interface (GUI) featuring free layout
- Operation mode of indoor & outdoor units
- Fault indication
- Indication filter replacement
- Setpoint indication
- Operation time monitoring
- Multi PC
- On-line help

**Gateway between VRV system and LON BMS.**

- Interface for LON BMS system
- Communication via LON protocol (twisted pair wire)
- 64 units connectable per LON controller
- Unlimited site-size
- Easy and fast installation

# LON controller

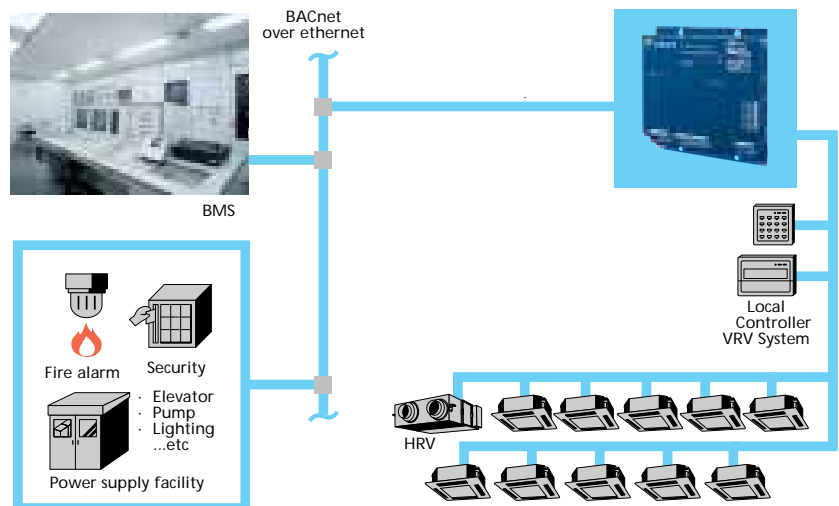
**NEW**



**Integrated control system connecting VRV system with BMS system.**

- Interface for BMS system
- Communication via BACnet protocol (connection via Ethernet or RS232C)
- 256 units connectable per BACnet gateway
- Unlimited site-size
- Easy and fast installation

# BACnet Gateway



# ACCESSORIES

## CONTROL SYSTEMS

### 1. INDIVIDUAL CONTROL SYSTEMS

DESCRIPTION	REFERENCE	FXYCP	FXYFP	FXK	FXYSP	FXYBP	FXM	FUYP	FXH	FXA	FXYAP	FXL/FXN
Simplified remote control	BRC2A51											
Simplified built-in remote control for hotel applications	BRC3A61											
Wired remote control	BRC1C517											
Infrared remote control	heat pump	BRC4C ✕		✕61	✕62	✕62	✕62					✕62
	cooling only	BRC4C ✕		✕63	✕64	✕64	✕64					✕64
	heat pump	BRC7✕	✕C62	✕C512W				✕C528W	✕E63W	E618	✕C510W	
	cooling only	BRC7✕	✕C67	✕C513W				✕C529W	✕E66	E619	✕C511W	

### 2. CENTRALISED CONTROL SYSTEMS FOR ALL INDOOR UNITS

DESCRIPTION	REFERENCE
Centralised remote control	DCS302B51
Unified on/off control	DCS301B51
Schedule timer	DST301B51
Unification adapter for computerised control (for combination of A/C control computer and central control)	DCS302A52*
Interface adapter for Sky Air series (for connection of Sky Air-F series with optional control for centralised control)	DTA102A52*
Wiring adapter for other A/C equipment (for connection of other A/C equipment than VRV/Sky Air-F with optional control for centralised control)	DTA103A51*

**Note:**  
\* Installation box for adapters must be provided on site

### 3. ADDITIONAL ACCESSORIES

DESCRIPTION	REFERENCE	FXYCP	FXYFP	FXK	FXYSP	FXYBP	FXM	FUYP	FXH	FXA	FXYAP	FXL/FXN
Wiring adapter (PCB when equipped with auxiliary electric heater in the indoor unit)	KRP1B✕	✕61(*1)	✕2(*1)	✕61	✕61	✕61	✕61		✕61		✕3	✕61
Wiring adapter for electrical appendices	KRP2A✕	✕51(*1)	✕52(*1)	✕51	✕51	✕51	✕51		✕52(*1)	✕51	✕51	✕51
	KRP4A✕	✕51(*1)	✕53(*1)	✕51	✕51	✕51	✕51	✕53(*1)	✕52(*1)	✕51	✕51	✕51
Remote sensor	KRCS01-1											
Installation box for adapter PCB	KRP1✕	✕B96(*2/3)	✕C98					✕B97	✕B93(*3)	KRP4A93		
Electrical box with earth terminal (3 blocks)	KJB311A											
Electrical box with earth terminal (2 blocks)	KJB212A											
Noise filter (for electromagnetic interface only)	KEK26-1											
Mix matching adapter for "K" indoor unit	DTA106A✕	✕61(*1)		✕61	✕61	✕61	✕62		✕62(*1)		✕61	✕61
External control adapter for outdoor unit (must be installed on indoor unit)	DTA104A✕	✕51(*1)	✕52(*1)	✕61	✕51	✕51	✕61		✕52(*1)	✕51	✕61	✕61

**Notes:**

- \*1. Installation box for adapter PCB is necessary
- \*2. Up to 2 adapters can be fixed per installation box
- \*3. Only 1 installation box can be installed per indoor unit
- \*4. Up to 2 installation boxes can be installed per indoor unit

#### 4.

## Intelligent Touch Controller

DESCRIPTION	REFERENCE	COMMENTS
Intelligent Touch Controller	DCS601A51	Up to 64 units can be connected
Intelligent Touch Controller software	DCS002A51	Proportional power consumption division software
Installation box for Intelligent Touch Controller	KJB411A	For wall mounted installation

#### 5.

## Intelligent Manager

DESCRIPTION	REFERENCE	COMMENTS
Intelligent Processing unit	DAM602A51	256 indoor units per IPU
Intelligent Processing unit	DAM602A52	128 indoor units per IPU
Intelligent Processing unit	DAM602A53	192 indoor units per IPU
Intelligent Manager software	IM2.XX	up to 1,024 indoor units

#### 6. LON controller

DESCRIPTION	REFERENCE	COMMENTS
LON controller	DCS601A51R	Up to 64 units can be connected per LON controller
Installation box for LON controller	KJB411A	For wall mounted installation

#### 7.

## BACnet Gateway

DESCRIPTION	REFERENCE	COMMENTS
BACnet Gateway	DMS502A51	64 units per Gateway
DIII board	DAM411A1	Extension of 3 x DIII lines (3 x 64) indoor units

#### 8. BMS: BUILDING MANAGEMENT SYSTEM

DESCRIPTION	REFERENCE	COMMENTS	
Contact / analog signal	Parallel interface Basic unit	DPF201A51	enables ON/OFF command, operation and display of malfunction can be used in combination with up to 4 units.
	Temperature measurement units	DPF201A52	enables temperature measurement output for 4 groups; 0~5VDC."
	Temperature setting units	DPF201A53	enables temperature setting input for 16 groups; 0~5VDC."
	Unification adapter for computerised control	DCS302A52	used for combining of air conditioning control computer and central remote controller (ON/OFF, display)
	Wiring adapter for electrical appendices (1)	KRP2A51	simultaneously controls air conditioning control computer and up to 64 groups of indoor units.
	Wiring adapter for electrical appendices (2)	KRP2A52	
	Wiring adapter for electrical appendices (2)	KRP4A51-53	to control the group of indoor units collectively, which are connected by the transmission wiring of remote controller.
External control adapter for outdoor unit	DTA104A51	cooling/heating mode change over, demand control and low noise control are available between the plural outdoor units.	
	DTA104A52		
DIII-net expander adapter	DTA109A51	a maximum of 10 outdoors or 128 indoors can be connected to 1 DTA109A51 a maximum of 8 DTA109A51 can be connected to DIII-net	
Mounting kit	KRP4A92	for easy installation of the DTA109A51	







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